



Advancing Asset Management in Your Utility: A “Hands-On” Workshop (Managing Your Facility for Long-Term Sustainability USEPA Asset Management Workshop



November 18 & 19, 2008

Training Center:

Gulf Coast Community College

5230 W US Highway 98, Panama City, Florida.

The seminar will start in the Student Union East Conference Centre.

Campus Map @ http://www.gulfcoast.edu/maps/pc_campus_map.htm

Sponsored by:

United States Environmental Protection Agency

Florida Department of Environmental Protection

Florida Rural Water Association (FRWA)

Registration Deadline: November 13, 2008 (Register Early – Space is Limited)

(Workshop is subject to cancellation if minimum number of registrations is not received by November 1, 2008)

The Challenge: Over the past half century, America has spent trillions of dollars building some of the finest infrastructure that history has ever seen. This investment has played a substantial role in the sustained prosperity and quality of life of our country. But in many communities, this infrastructure is severely stressed from overuse, under funding of maintenance and renewal, and aging.

A comprehensive approach to managing our capital assets is overdue – one that brings “state of the practice” advanced asset management (AM) concepts, tools, techniques, and technologies to bear on managing for cost-effective performance. This approach focuses relentlessly on providing **sustained performance to the customer at the lowest life-cycle cost and at an acceptable level of risk to the organization.**

The Focus: Public sector managers have been managing assets for decades. However, it is clear that what we have been doing in the past will not be sufficient to address the growing and increasingly complex challenges that lie ahead. Practical, advanced techniques for better management of assets have been developed and refined in both the private sector in the US and in water and wastewater agencies around the world. Management thinking is centered on long-term effectiveness, service sustainability, and effective environmental management. *How can these advanced asset management concepts, tools and techniques be most effectively transferred into the water and wastewater industry, more specifically, into your agency? Where to start? How to proceed? How to select appropriate tools?*

The Workshops: The AM challenge for US agency officials is one of “knowledge transfer.” **For that reason, these workshops have been designed as an extensive hands-on experience.** Each workshop:

- ◆ **Incorporates a real-world storyline** to realistically demonstrate an advanced asset management way of approaching difficult asset-driven problems.
- ◆ Is built around **participant exercises** that demonstrate the concepts, techniques and tools of advanced asset management.
- ◆ Is centered on **case-based mentoring** by expert asset management practitioners.

The agenda is built around five core AM questions. **The workshops focus on demonstrating, step-by-step, how an agency would select and deploy “Best Appropriate AM Practices” that are best suited to that agency.**



Training Credits: FRWA will provide water and wastewater continuing education units (CEUs) obtained by workshop participants.

Agenda Highlights

Day One

Registration from 7:30 to 8:00am

Workshop 8:00am to 4:00pm (lunch provided)

Introductions

Background and Context

- The Changing Utility Industry
- The Emerging Utility Of Tomorrow

Introduction of Storyline, Overview of Fundamental Concepts and Core Practices

- Introduction Of Storyline
- A Definition Of AM
- A “Meta View” of the AM Paradigm
- Managing The Asset Base’s “Potential To Fail”
- Payoffs And Benefits, Downsides
- The “Five Core Questions” and the “10-Step AM Process”

Storyline and Worksheets - Tom’s Bad Day

Core Question 1: What Is The Current State Of My Assets?

- What is an Asset?
- Building a “Process Layout” Schematic
- Creating The “Asset Hierarchy”
- Defining The “Data Standard”
- Initial Condition Analysis, Remaining Physical Life
- The Four Major Failure Modes
- Determining Replacement Value
- Financial Accounting versus Managerial Accounting

Core Question 2: What Is My Required “Sustainable” Level Of Service (LOS)?

- What Is “LOS”? Why Do It?
- How It Works (Strategic Level Versus Operations Level)

Core Question 3: Which Assets Are Critical To Sustained Performance?

- Understanding How My Assets Can Fail - the Four Major Failure Modes
- Determining The “Likelihood Of Failure”
- Determining The “Consequences of Failure”
- How to Measure Our Agency’s “Business Risk Exposure”?

Discussion, Q & A and Feedback

Day Two

Workshop 8:00am to 3:30pm (lunch provided)

Summary of Day 1, Outline Of Day 2

Core Question 4: What Are My Best Minimum Life-Cycle-Cost CIP And O&M Strategies?

- What Alternative “Treatment” (Management) Options Are Feasible?
- Which Is The Best Option? – The Basics of “Optimized Renewal Decision Making”

Core Question 4: O&M (Continued)

- Using AM To Drive Operations And Maintenance
- Moving Systematically Into Reliability Centered And Condition-Based Maintenance

Core Question 4: CIP (Continued)

- Using AAM To Drive CIP
- Strategic CIP Validation

Core Question 5: What Is My Best Long-Term Funding Strategy?

- So, Valuation Really Does Matter?
- Determining A Sustainable Renewal Funding Level
- Effectively Telling The Funding Story
- The “Whole Of Business” Perspective – Using AAM For Rate Setting & Budgeting
- Building Your First Asset Management Plan (“AMP”)

Focus Topic 1: Deploying an AAM Program (As time permits)

- The Four Fundamental Deployment Strategies
- “Gap Analysis” Benchmarking & Developing The AAM Improvement Program
- The Human Side
- The Political Side
- Implementation Work Plans – Lessons Learned

Closing Summary, Questions, Comments

About Our Trainers:

Mr. Steve Allbee – USEPA Project Director, Gap Analysis; primary author, USEPA’s **The Clean Water and Drinking Water Infrastructure Gap Analysis**; 25 years EPA – development of financing programs; BA, MA, MPA.

Mr. Duncan Rose – Technical Director & Principal Consultant – GHD; former city/county manager; co-author of WEF’s textbook, **Managing the Water and Wastewater Utility**; co-author (US Team), **International Infrastructure Management Manual** (sixth edition); 30 years state & local government management; Adjunct Faculty, Florida State University, Askew School of Public policy; BA, MSP, MAPA

Mr. Doug Stewart, P.E. – Technical Director & Principal Consultant – GHD; editor, **International Infrastructure Management Manual** (sixth edition); former Asset Management Program Director, Orange County Sanitation District; 30 years engineering experience, 10 years utility management; BS, MSCE.

Over Night Hotel Accommodations

Attendees are required to make their own hotel arrangements. There are numerous hotels in close proximity to the Gulf Coast Community College. Below are a few choices. FRWA does not have group rates:

Holiday Inn SunSpree Resort, 5505 Sun Harbor Rd, Panama City, FL 32401 **Phone:** (877) 863-4780 **Website:** Ichotelsgroup.com

Sleep Inn, 5126 W Highway 98, Panama City, FL 32401 **Phone:** (850) 763-7777 **Website:** Sleepinn.com

Comfort Inn Suites, 4128 W Highway 98, Panama City, FL 32401 **Phone:** (850) 763-0101 **Website:** www.comfortinn.com

Quality Inn, 3602 W Highway 98, Panama City, FL 32401 **Phone:** (850) 522-5200 **Website:** Qualityinn.com



Registration Form

FIRST NAME															MI	LAST NAME																		
SYSTEM NAME															PWSID																			
ADDRESS																																		
CITY																									ST	ZIP								
HOME PHONE										CELL PHONE										FAX														
SESSION NUMBER					DATE OF SESSION					ATTENDING FOR CEUS (check one)					APPLY MY CEUS					LICENSE NUMBER														
										YES					NO					DW					WW					0 0				
CREDIT CARD NUMBER															EXPIRATION					FAX NUMBER FOR RECEIPT														

Asset Management Workshop DW 13513/WW 13514

Registration must be submitted to FRWA five days prior to this workshop, even if you do not wish to earn CEUs. The administrative fee prior to the seminar is **\$50.00 for members and non-members**. Payment can be made by organization check, cashier's check, money order, Visa, American Express or MasterCard. If the administrative fee is paid less than five days prior to, or within ten days after the seminar, the fee will be \$75.00. **NO PAYMENTS WILL BE ACCEPTED AT THE SEMINAR.** You may fax your registration to 850.893.4581 if you are paying by credit card. Otherwise payment may be mailed to FRWA at 2970 Wellington Cir W Ste 101, Tallahassee FL 32309.

Please make checks out to Florida Rural Water Association

For Assistance or more information please contact:

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 Florida Rural Water Association
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